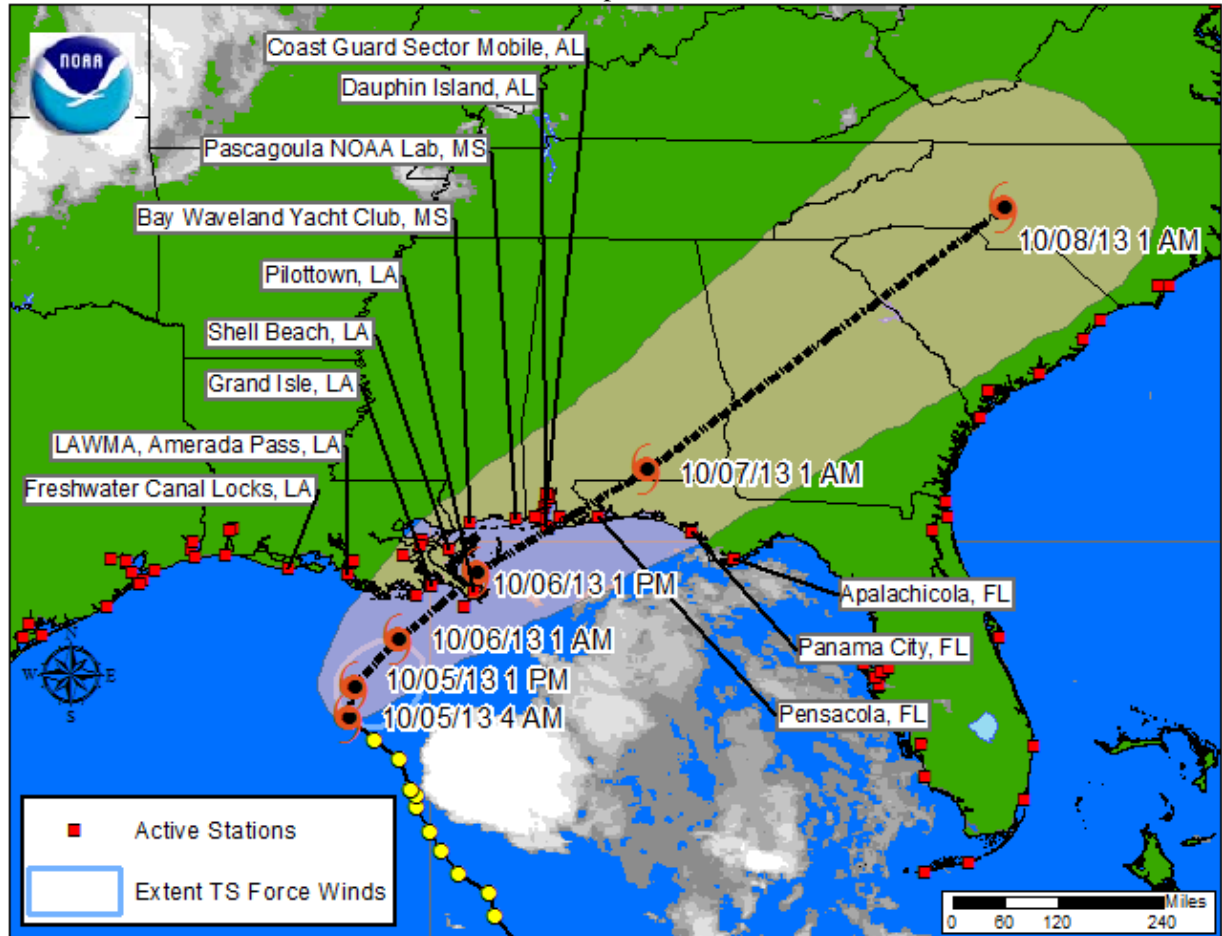




Tropical Storm KAREN QuickLook  
Posted: 05:00 CDT 10/05/2013

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/05/2013 05:00 CDT, water levels across the northern Gulf of Mexico from southeast Louisiana to the Florida panhandle are generally elevated 0.7 and 1.6 feet above predicted tide levels with higher residuals at Freshwater Canal Locks where water levels are 2.5 feet above predictions. Winds are measuring between 5 and 15 knots along the northern Gulf coast. Barometric pressure is steady across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur. Water level predictions relative to Mean Lower Low Water (MLLW) are:

Freshwater Canal Locks, LA: Next predicted high tides are 2.0 ft (0.62 m) at 10/05/2013 15:34 CDT and 1.7 ft (0.51 m) at 10/06/2013 02:52 CDT.

Pilottown, LA: Next predicted high tides are 0.9 ft (0.26 m) at 10/05/2013 23:00 CDT and 1.0 ft (0.30 m) at

Tropical Storm KAREN QuickLook, POSTED 05:00 CDT 10/05/2013

10/06/2013 23:25 CDT.

Grand Isle, LA: Next predicted high tides are 1.3 ft (0.40 m) at 10/05/2013 22:38 CDT and 1.4 ft (0.44 m) at 10/06/2013 23:11 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.4 ft (0.44 m) at 10/05/2013 17:32 CDT and 1.1 ft (0.35 m) at 10/06/2013 04:07 CDT.

Shell Beach, LA: Next predicted high tides are 0.9 ft (0.27 m) at 10/05/2013 19:56 CDT and 1.2 ft (0.36 m) at 10/06/2013 04:01 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.8 ft (0.56 m) at 10/06/2013 00:42 CDT and 2.0 ft (0.63 m) at 10/07/2013 01:06 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.3 ft (0.40 m) at 10/05/2013 22:11 CDT and 1.5 ft (0.46 m) at 10/06/2013 22:44 CDT.

Dauphin Island, AL: Next predicted high tides are 1.5 ft (0.44 m) at 10/05/2013 22:59 CDT and 1.6 ft (0.49 m) at 10/06/2013 23:34 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.3 ft (0.40 m) at 10/06/2013 00:04 CDT and 1.5 ft (0.45 m) at 10/07/2013 00:43 CDT.

Pensacola, FL: Next predicted high tides are 1.5 ft (0.46 m) at 10/05/2013 23:31 CDT and 1.7 ft (0.51 m) at 10/07/2013 00:02 CDT.

Panama City, FL: Next predicted high tides are 1.5 ft (0.46 m) at 10/05/2013 22:33 CDT and 1.6 ft (0.51 m) at 10/06/2013 23:05 CDT.

Apalachicola, FL: Next predicted high tides are 1.7 ft (0.53 m) at 10/05/2013 17:34 EDT and 1.8 ft (0.57 m) at 10/06/2013 04:20 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: DW

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM KAREN ADVISORY NUMBER 9

400 AM CDT SAT OCT 05 2013

...KAREN MOVING NORTH-NORTHWESTWARD TOWARD THE NORTHERN GULF COAST...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

NONE

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* MORGAN CITY LOUISIANA TO THE MOUTH OF THE PEARL RIVER

A TROPICAL STORM WATCH IS IN EFFECT FOR...

\* METROPOLITAN NEW ORLEANS

\* LAKE MAUREPAS

\* LAKE PONTCHARTRAIN

\* EAST OF THE MOUTH OF THE PEARL RIVER TO INDIAN PASS FLORIDA

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

INTERESTS ELSEWHERE ALONG THE NORTHEASTERN COAST OF THE GULF OF MEXICO SHOULD MONITOR THE PROGRESS OF KAREN.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 400 AM CDT...0900 UTC...THE CENTER OF TROPICAL STORM KAREN WAS LOCATED NEAR LATITUDE 27.1 NORTH...LONGITUDE 91.3 WEST. KAREN IS MOVING TOWARD THE NORTH-NORTHWEST NEAR 8 MPH. A TURN TOWARD THE NORTH IS EXPECTED LATER TODAY. A TURN TOWARD THE NORTHEAST IS EXPECTED TONIGHT...AND A NORTHEASTWARD MOTION WITH AN INCREASE IN FORWARD SPEED IS EXPECTED ON SUNDAY. ON THE FORECAST TRACK...THE CENTER OF KAREN IS ANTICIPATED TO BE NEAR THE COAST IN THE TROPICAL STORM WARNING AREA TONIGHT OR SUNDAY MORNING.

MAXIMUM SUSTAINED WINDS ARE NEAR 40 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT 48 HOURS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 115 MILES FROM THE CENTER.

THE MINIMUM CENTRAL PRESSURE REPORTED BY AIR FORCE RESERVE AND NOAA HURRICANE HUNTER AIRCRAFT IS 1007 MB...29.74 INCHES.

#### HAZARDS AFFECTING LAND

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WIND...TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN PORTIONS OF THE WARNING

AREA BY THIS AFTERNOON. TROPICAL STORM CONDITIONS ARE POSSIBLE IN PORTIONS OF THE WATCH AREA TONIGHT AND SUNDAY.

STORM SURGE...THE COMBINATION OF STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

TERREBONNE BAY TO WEST OF APALACHEE BAY...1 TO 3 FT  
APALACHEE BAY INCLUDING CEDAR KEY...2 TO 4 FT  
SOUTH OF APALACHEE BAY TO TAMPA BAY...1 TO 2 FT

THE HIGHEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST...WHERE THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

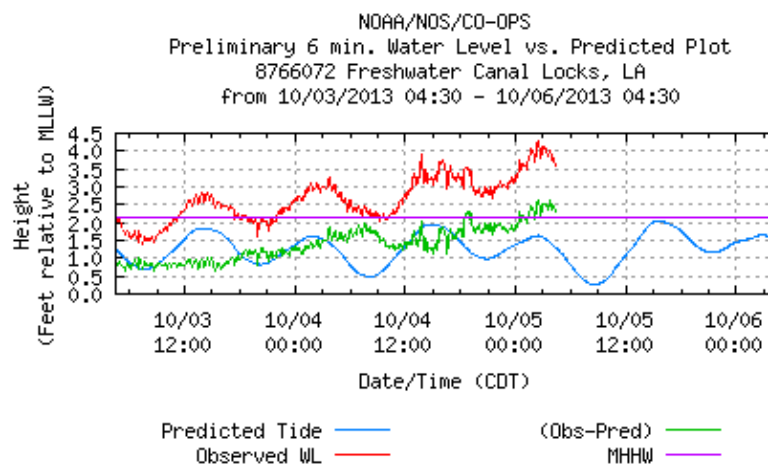
RAINFALL...KAREN IS EXPECTED TO PRODUCE RAINFALL ACCUMULATIONS OF 1 TO 3 INCHES OVER PORTIONS OF THE CENTRAL GULF COAST AND SOUTHEAST UNITED STATES THROUGH MONDAY EVENING...MAINLY NEAR AND TO THE RIGHT OF THE PATH OF THE CENTER. ISOLATED STORM TOTAL AMOUNTS OF 6 INCHES ARE POSSIBLE.

FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

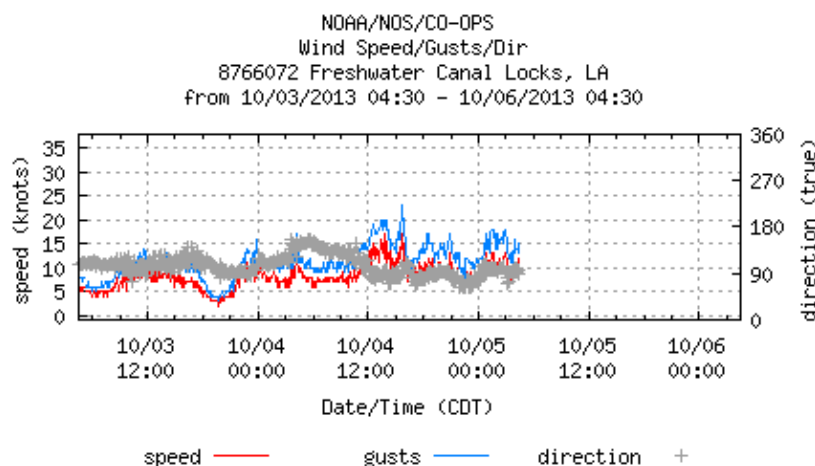
Jump to: [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Pilottown - Water Level](#), [Pilottown - Winds](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Coast Guard Sector Mobile - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#)

[Freshwater Canal Locks, LA - Return to List](#)



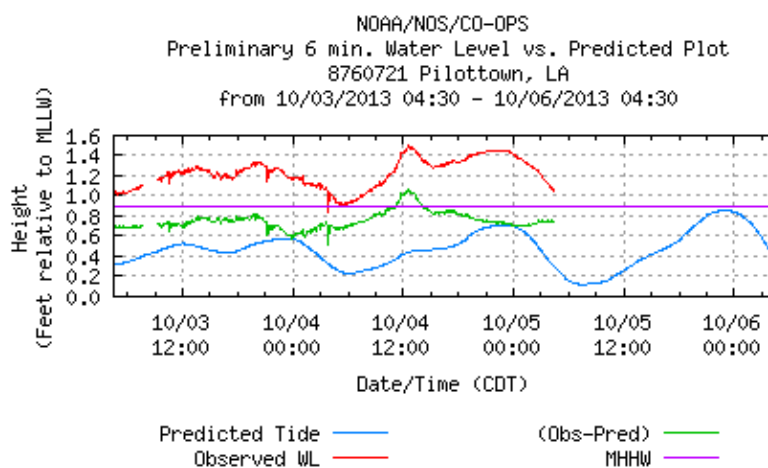
Last Observed Sample: 10/05/2013 04:30 (CDT)  
Relative to MLLW: **Observed: 3.57 ft.** **Predicted: 1.26 ft.** **Residual: 2.31 ft.**  
Historical Maximum Water Level: Sep 12 2008, 10.13 ft. above MLLW

[Freshwater Canal Locks, LA - Return to List](#)



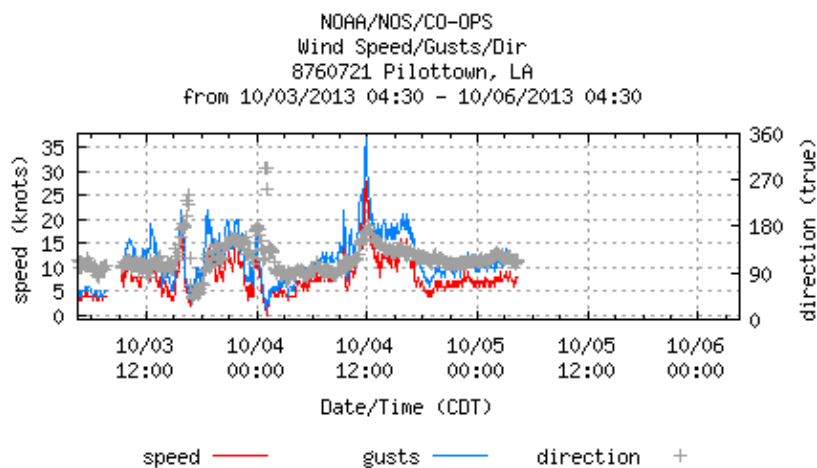
Last Observed Sample: 10/05/2013 04:30 (CDT)  
**Wind Speed: 11 knots** **Gusts: 16 knots** Direction: 95° T

Pilottown, LA - Return to List



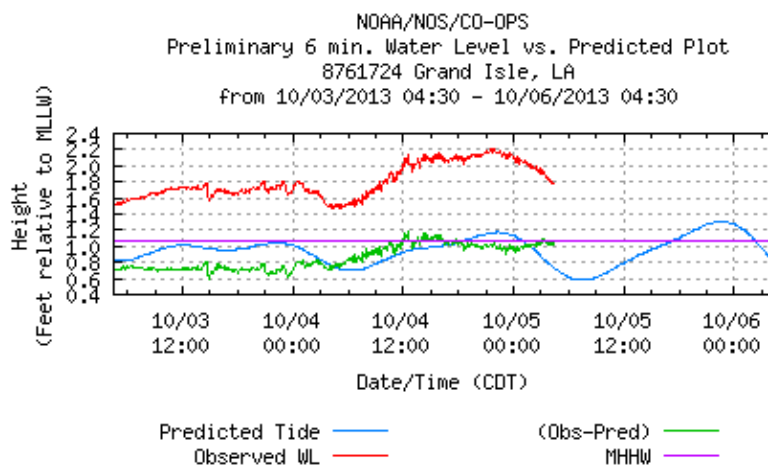
Last Observed Sample: 10/05/2013 04:30 (CDT)  
Relative to MLLW: **Observed: 1.03 ft.** **Predicted: 0.29 ft.** **Residual: 0.74 ft.**  
Historical Maximum Water Level: n/a

Pilottown, LA - Return to List



Last Observed Sample: 10/05/2013 04:30 (CDT)  
**Wind Speed: 6 knots** **Gusts: 9 knots** **Direction: 112° T**

Grand Isle, LA - Return to List

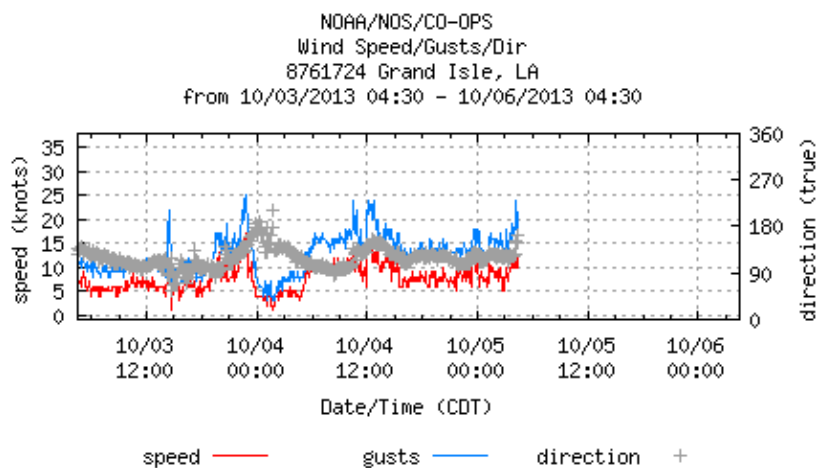


Last Observed Sample: 10/05/2013 04:36 (CDT)

Relative to MLLW: **Observed: 1.68 ft.** **Predicted: 0.72 ft.** **Residual: 0.96 ft.**

Historical Maximum Water Level: Aug 29 2005, 5.59 ft. above MLLW

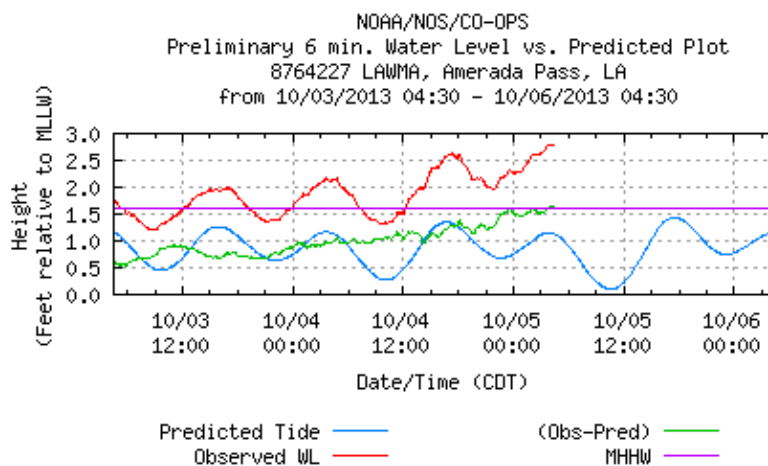
Grand Isle, LA - Return to List



Last Observed Sample: 10/05/2013 04:36 (CDT)

**Wind Speed: 9 knots** **Gusts: 15 knots** **Direction: 136° T**

LAWMA, Amerada Pass, LA - Return to List

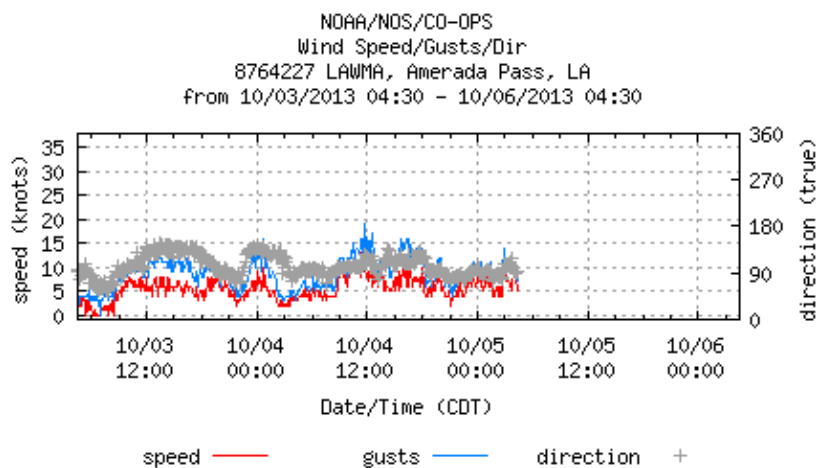


Last Observed Sample: 10/05/2013 04:30 (CDT)

Relative to MLLW: **Observed: 2.78 ft.** **Predicted: 1.12 ft.** **Residual: 1.66 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.50 ft. above MLLW

LAWMA, Amerada Pass, LA - Return to List

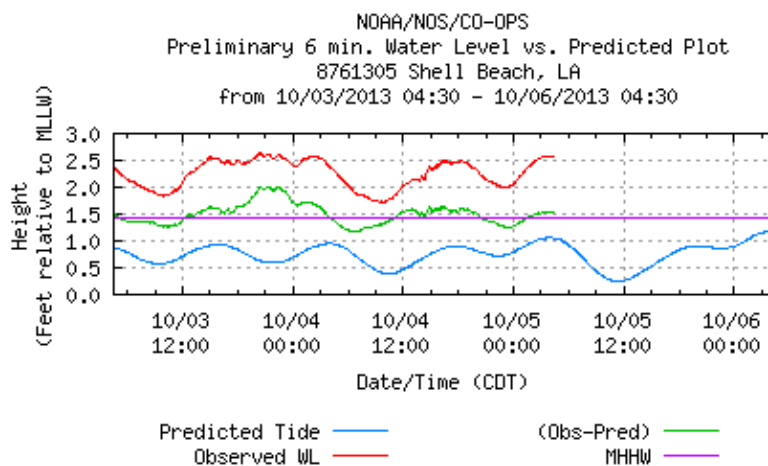


Last Observed Sample: 10/05/2013 04:30 (CDT)

**Wind Speed: 4 knots** **Gusts: 8 knots** **Direction: 112° T**



[Shell Beach, LA - Return to List](#)

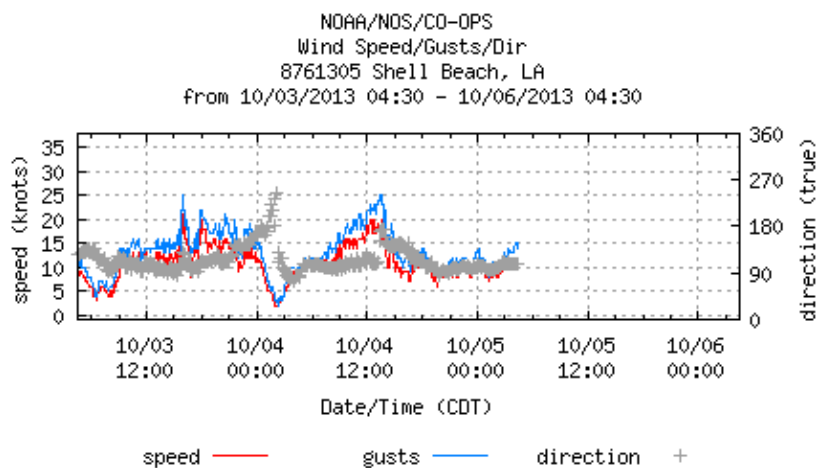


Last Observed Sample: 10/05/2013 04:30 (CDT)

Relative to MLLW: **Observed: 2.59 ft.** **Predicted: 1.05 ft.** **Residual: 1.54 ft.**

Historical Maximum Water Level: Aug 29 2012, 10.88 ft. above MLLW

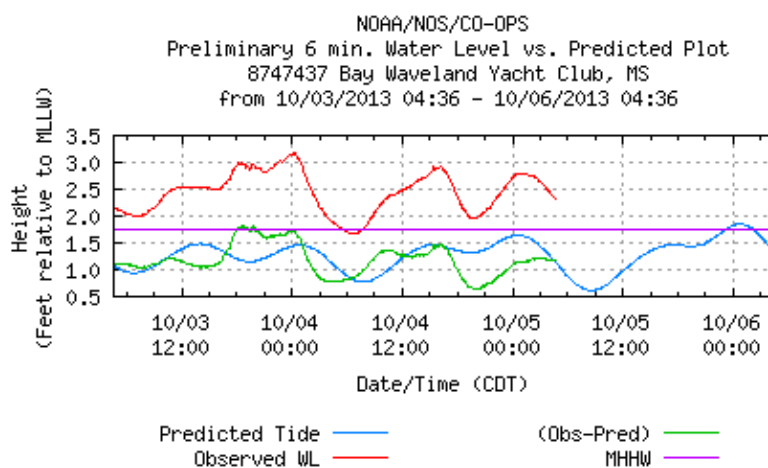
[Shell Beach, LA - Return to List](#)



Last Observed Sample: 10/05/2013 04:30 (CDT)

**Wind Speed: 11 knots** **Gusts: 14 knots** **Direction: 105° T**

Bay Waveland Yacht Club, MS - Return to List

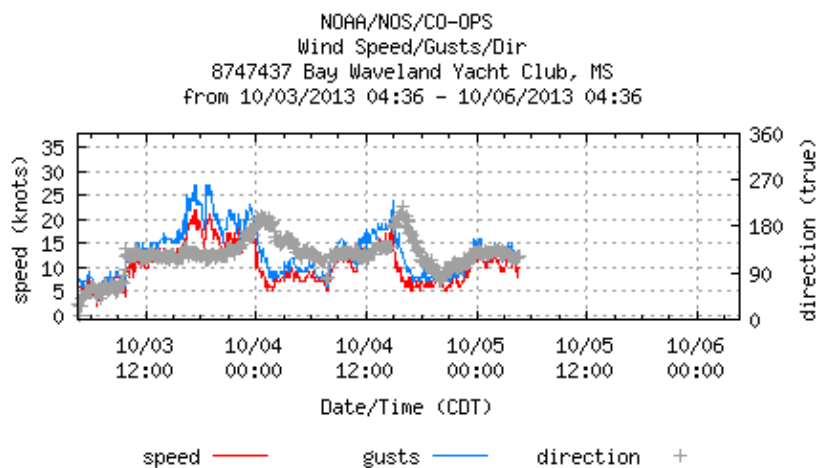


Last Observed Sample: 10/05/2013 04:36 (CDT)

Relative to MLLW: **Observed: 2.33 ft.** **Predicted: 1.15 ft.** **Residual: 1.18 ft.**

Historical Maximum Water Level: Sep 1 2008, 10.89 ft. above MLLW

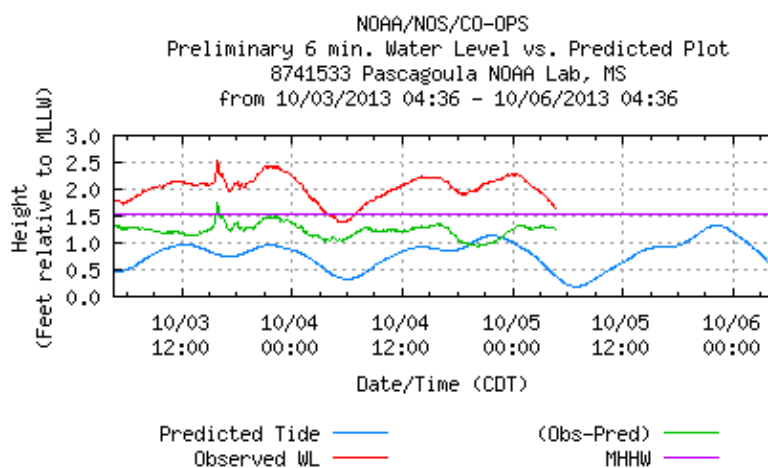
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 10/05/2013 04:36 (CDT)

**Wind Speed: 10 knots** **Gusts: 12 knots** **Direction: 122° T**

Pascagoula NOAA Lab, MS - Return to List

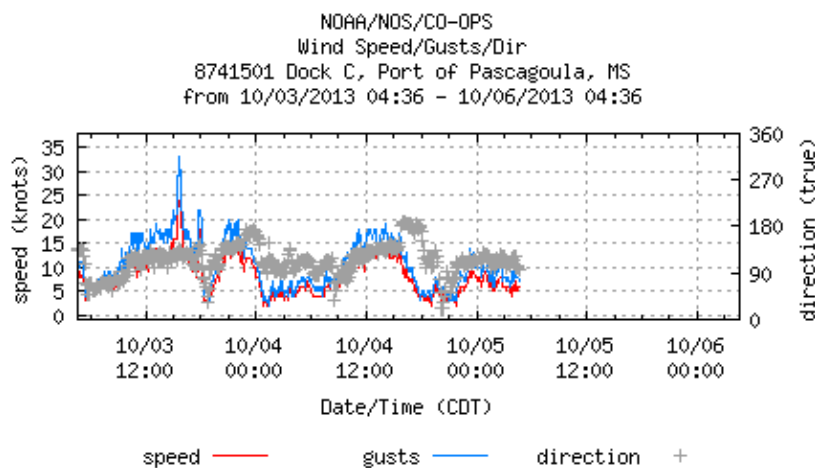


Last Observed Sample: 10/05/2013 04:36 (CDT)

Relative to MLLW: **Observed: 1.65 ft.** **Predicted: 0.39 ft.** **Residual: 1.26 ft.**

Historical Maximum Water Level: Sep 1 2008, 6.43 ft. above MLLW

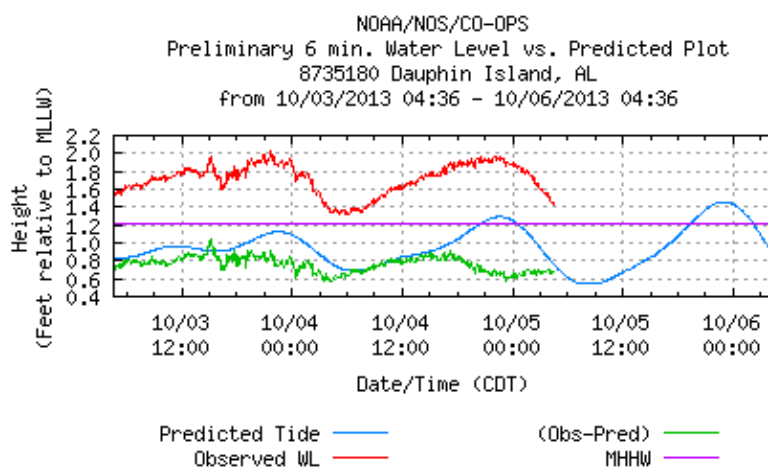
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 10/05/2013 04:36 (CDT)

**Wind Speed: 6 knots** **Gusts: 7 knots** **Direction: 97° T**

Dauphin Island, AL - Return to List

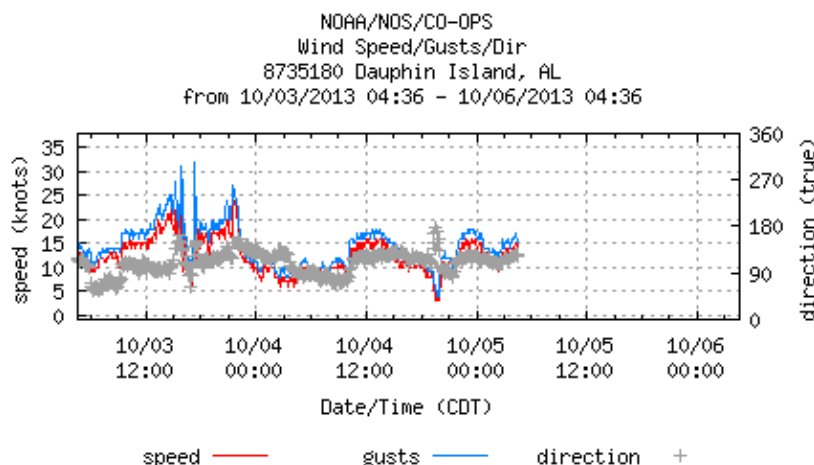


Last Observed Sample: 10/05/2013 04:30 (CDT)

Relative to MLLW: **Observed: 1.43 ft.** **Predicted: 0.76 ft.** **Residual: 0.67 ft.**

Historical Maximum Water Level: Sep 16 2004, 7.14 ft. above MLLW

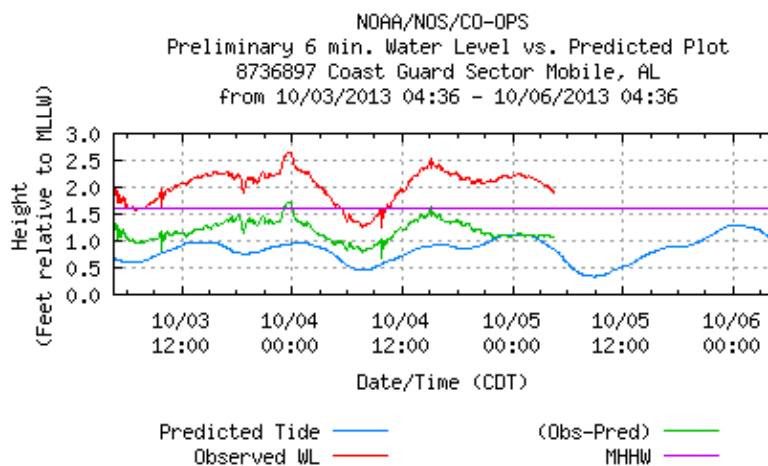
Dauphin Island, AL - Return to List



Last Observed Sample: 10/05/2013 04:30 (CDT)

**Wind Speed: 13 knots** **Gusts: 15 knots** **Direction: 122° T**

Coast Guard Sector Mobile, AL - Return to List

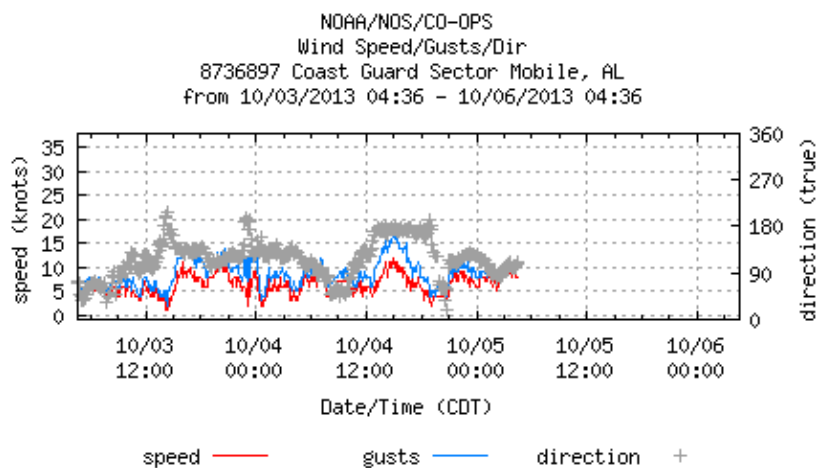


Last Observed Sample: ()

Relative to MLLW: **Observed: 0.00 ft.** **Predicted: 0.00 ft.** **Residual: n/a**

Historical Maximum Water Level: Sep 1 2008, 5.41 ft. above MLLW

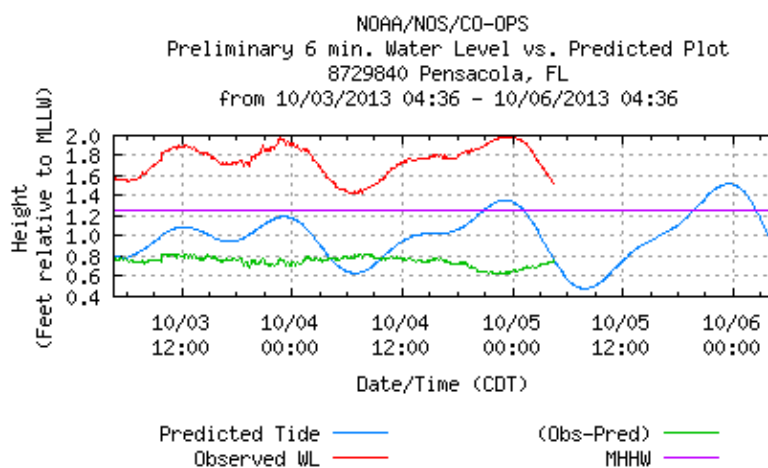
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: ()

**Wind Speed: 0 knots** **Gusts: 0 knots** **Direction: ° T**

Pensacola, FL - Return to List

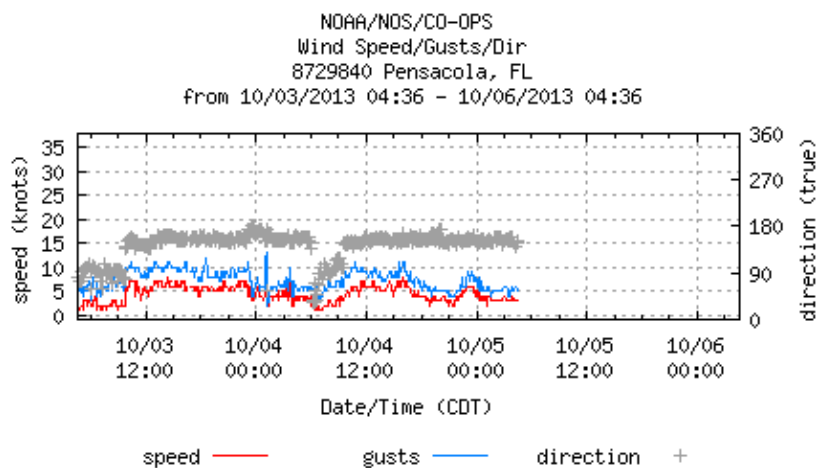


Last Observed Sample: 10/05/2013 04:30 (CDT)

Relative to MLLW: **Observed: 1.52 ft.** **Predicted: 0.76 ft.** **Residual: 0.76 ft.**

Historical Maximum Water Level: Sep 18 1926, 8.67 ft. above MLLW

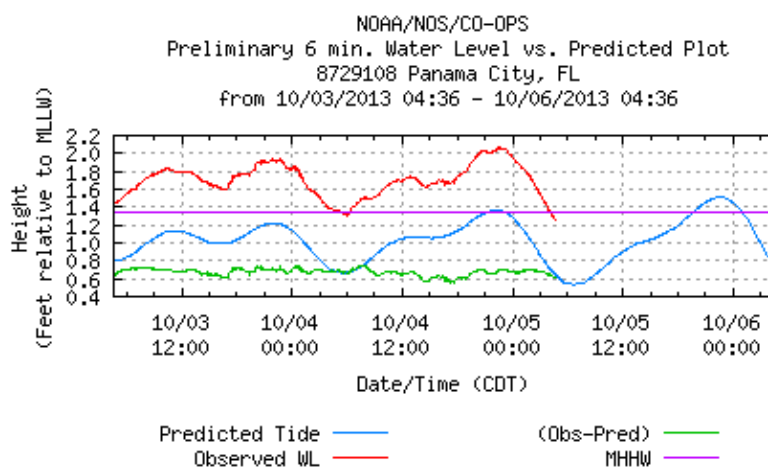
Pensacola, FL - Return to List



Last Observed Sample: 10/05/2013 04:30 (CDT)

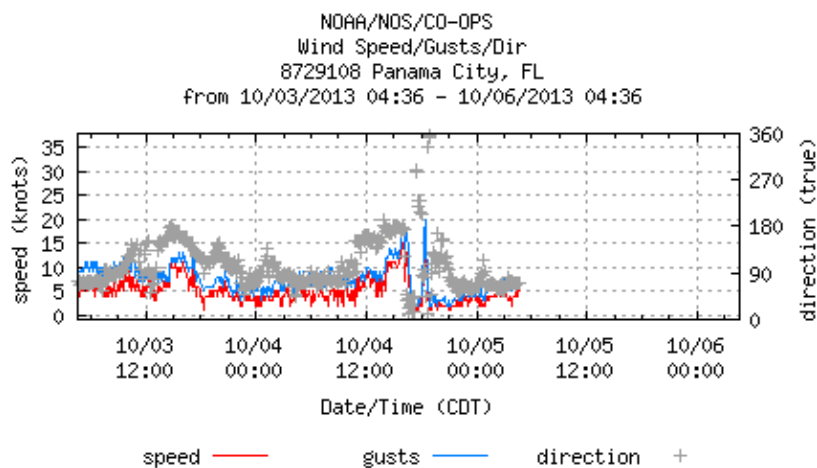
**Wind Speed: 3 knots** **Gusts: 5 knots** **Direction: 154° T**

Panama City, FL - Return to List



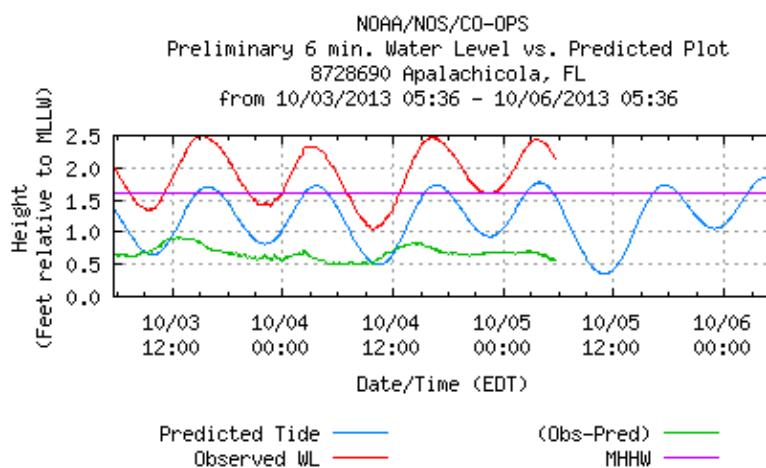
Last Observed Sample: 10/05/2013 04:36 (CDT)  
Relative to MLLW: **Observed: 1.26 ft.** **Predicted: 0.65 ft.** **Residual: 0.61 ft.**  
Historical Maximum Water Level: Oct 4 1995, 7.06 ft. above MLLW

Panama City, FL - Return to List



Last Observed Sample: 10/05/2013 04:36 (CDT)  
**Wind Speed: 5 knots** **Gusts: 8 knots** Direction: 71° T

Apalachicola, FL - Return to List

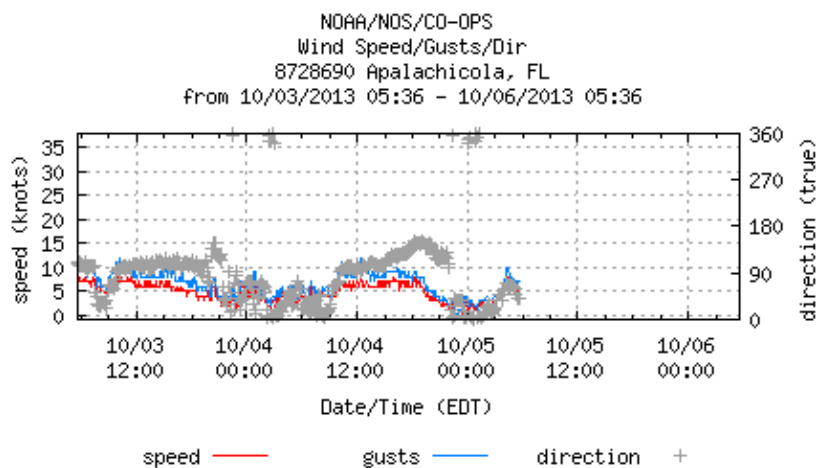


Last Observed Sample: 10/05/2013 05:36 (EDT)

Relative to MLLW: **Observed: 2.15 ft.** **Predicted: 1.57 ft.** **Residual: 0.58 ft.**

Historical Maximum Water Level: Jul 10 2005, 8.04 ft. above MLLW

Apalachicola, FL - Return to List



Last Observed Sample: 10/05/2013 05:36 (EDT)

**Wind Speed: 6 knots** **Gusts: 7 knots** Direction: 42° T